

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

May 27, 2004

MEMORANDUM TO:

Mr. Jon G. Nance, P.E.

Division 5 Engineer

FROM:

Philip S. Harris, III, P.E., Manager Wille Lander

Office of the Natural Environment

Project Development and

Environmental Analysis Branch

SUBJECT:

Wake and Durham Counties; Division 5; NC 55 Widening from US 64

to SR 1121 (Cornwallis Road); Federal Aid No. HPSTP-55(12), State

Project No. 8.1403901; TIP Project No. R-2906

Attached are the U. S. Army Corps of Engineers Individual Permit and the Division of Water Quality 401Certification for the above referenced project. All environmental permits have been received for the construction of this project.

PSH/ma

Attachment

cc: Mr. Art McMillan, P.E.

Mr. Omar Sultan

Mr. Jay Bennett, P.E.

Mr. David Chang, P.E.

Mr. Randy Garris, P.E.

Mr. Greg Perfetti, P.E.

Mr. Mark Staley

Mr. John F. Sullivan, III, FHWA

Mr. Chris Murray, Division 5 DEO

TELEPHONE: 919-733-3141 FAX: 919-733-9794

WEBSITE: WWW.DOT.ORG

PROJECT COMMITMENTS

NC 55 Widening
From US 64 to SR 1121 (Cornwallis Road)
Wake and Durham Counties
Federal Aid No. HPSTP-55(12)
State Project No. 8.1403901
T.I.P. No. R-2906

In addition to the standard Section 404 Individual Permit (IP) General Conditions and Section 401 Water Quality Certification (WQC) Conditions, the following special commitments have been agreed to by NCDOT:

Commitments Developed Through Project Development and Design

All standard procedures and measures, including Best Management Practices for the Protection of Surface Waters and Sedimentation, will be implemented to avoid or minimize environmental impacts.

All Special Commitments outlined in the July 6, 2001 Greensheet, which was attached to the original permits, are still valid. (attached)

Commitments Developed Through Permitting

There are no additional special commitments required by this permit modification. All Special Commitments outlined in the July 6, 2001 Greensheet are still valid. (attached)

PROJECT COMMITMENTS

• The NCDOT and its contractors will not excavate, fill, or perform land clearing activities within Waters of the United States or any areas under jurisdiction of the U.S. Army Corps of Engineers, except as authorized by the COE. To ensure that all borrow and waste activities occur on high ground, except as authorized by permit, the NCDOT shall require its contractors to identify all areas to be used to borrow material, or to dispose of dredged, fill, or waste material. Documentation of the location and characteristics of all borrow and disposal sites associated with the project will be available to the COE on request. (Note: this is part of the standard reclamation process.)

II. Commitments Developed Through Permitting

Excepts from the U.S. Army Corps of Engineers Individual Permit that are unique to this project:

PD&EA Branch, Division Construction Office

• Special Condition C: The permittee shall mitigate for 1,175 linear feet of unavoidable impacts to perennial stream channel associated with this project by completing 1,175 linear feet of onsite stream relocation, as described in the permit application. The stream relocation shall be constructed in accordance with the North Carolina Wildlife Resources Commission's (NCWRC) "Stream Relocation Guidelines", and with the attached permit drawings, and the attached "Natural Channel Design; Long Branch", dated August 17, 1999. NCDOT shall consult with NCWRC on all stream relocations and implement all practicable recommendations in the design of specific site requirements for re-establishment of bank vegetation, and placement of meanders and habitat structures. Vegetation shall be used to the maximum extent practicable to stabilize banks, and riprap and other man-made structural measures shall be minimized. NCDOT shall ensure that the stream channel is sufficiently stabilized prior to the diversion of water into the new channel.

PD&EA Branch, Roadside Environmental Unit

• Special Condition D: The permittee shall visually monitor the vegetative plantings on all mitigation stream banks to assess and insure complete stabilization of the mitigation stream segments. This monitoring shall include adequate visual monitoring of planted vegetation quarterly for a minimum of one year after final planting, and appropriate remedial actions (e.g., replanting, streambank grading, etc.). If within any monitoring year, bank stabilization is not acceptable as determined by the Corps of Engineers, and remedial action required by the Corps of Engineers is performed, the one-year monitoring of the affected portions of the stream will begin again. The permittee will coordinate stream mitigation activities with the Corps of Engineers, Raleigh Regulatory Field Office Project Manager, and will report verbally on the status of the stream mitigation within thirty days of the quarterly monitoring. The permittee will submit a brief written report with representative photographs within 90 days after the monitoring year is completed.

PROJECT COMMITMENTS

Excerpts from the N.C. Department of Environment and Natural Resources, Division of Water Quality Certification that are unique to this project:

Division Construction Office

• Condition 6: All channel relocations will be constructed in a dry work area, and stabilized before stream flows are diverted. Channel relocations will be completed and stabilized prior to diverting waters into the new channel. Whenever possible, channel relocations shall be allowed to stabilize for an entire growing season. Vegetation used for bank stabilization shall be limited to native woody species, and should include establishment of a 30-foot wide wooded and an adjacent 20-foot wide vegetated buffer on both sides of the relocated channel to the maximum extent practical. A transitional phase incorporating coir fiber and seedling establishment is allowable. Also, rip rap may be allowed if it is necessary to maintain the physical integrity of the stream, but the applicant must provide written justification and any calculations used to determine the extent of rip-rap coverage requested.

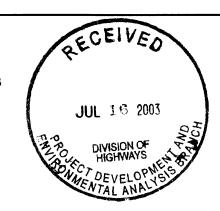




July 8, 2003

Klimek, P.E.

Dr. Gregory J. Thorpe, PhD., Manager Planning & Environmental Branch N.C. Department of Transportation 1548 Mail Service Center Raleigh, North Carolina, 27699-1548



Dear Dr. Thorpe:

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Modification to NC 55 widening in Wake and Durham Counties, TIP R-2906, Federal Aid No. HPSTP-55(12), State Project No. 8.1403901, DWQ No. 010120mod.

Attached hereto is a modification to Certification No. 3317 issued to the North Carolina Department of Transportation on March 13, 2001. The attached modification authorizes additional impacts to 5 linear feet of streams located in the Cape Fear River Basin. It should be noted the modification is applicable only to the additional proposed activities. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

If we can be of further assistance, do not hesitate to contact us.

Attachments:

Modification to WQC No. 3317

cc: Wilmington District Corps of Engineers Corps of Engineers Raleigh Field Office DWQ Raleigh Regional Office Central Files File Copy

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NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500. The attached modification authorizes additional impacts to 5 linear feet of streams located in the Cape Fear River Basin. It should be noted the modification is applicable only to the additional proposed activities. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

The application provides adequate assurance that the discharge of fill material into the proposed wetlands in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice. Should your project change, you are required to notify the DWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future exceed one acre, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

- 1. Appropriate sediment and erosion control practices which equal or exceed those outlined in the most recent version of two manuals. Either the "North Carolina Sediment and Erosion Control Planning and Design Manual" or the "North Carolina Surface Mining Manual" (available from the Division of Land Resources in the DEHNR Regional or Central Offices). The control practices shall be utilized to prevent exceedances of the appropriate turbidity water quality standard (50 NTUs in all fresh water streams and rivers not designated as trout waters; 25 NTUs in all lakes and reservoirs, and all saltwater classes; and 10 NTUs in trout waters);
- 2. All sediment and erosion control measures placed in wetlands or waters shall be removed and the natural grade restored after the Division of Land Resources has released the project;
- 3. Measures shall be taken to prevent live or fresh concrete from coming into contact with waters of the state until the concrete has hardened;
- 4. There shall be no excavation from or waste disposal into jurisdictional wetlands or waters associated with this permit without appropriate modification of this permit. Should waste or borrow sites be located in wetlands or stream, compensatory mitigation will be required since it is a direct impact from road construction activities;
- 5. No additional compensatory mitigation shall be done in accordance with this modification.
- 6. All other conditions written into previous Water Quality Certifications for this project still apply.

N. C. Division of Water Quality Customer Service: 1 800 623-7748



Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

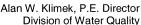
If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 8th day of July 2003 DIVISION OF WATER QUALITY

Director

Modification to WQC No. 3317

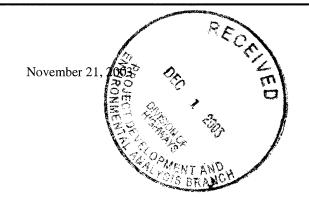
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Dr. Gregory J. Thorpe, PhD., Manager Planning & Environmental Branch N.C. Department of Transportation 1548 Mail Service Center Raleigh, North Carolina, 27699-1548

Dear Dr. Thorpe:

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Modification to NC 55 widening in Wake and Durham Counties, TIP R-2906, Federal Aid No. HPSTP-55(12), State Project No. 8.1403901, DWQ No. 010120mod.

Attached hereto is a modification to Certification No. 3317 issued to the North Carolina Department of Transportation on March 13, 2001. The attached modification authorizes additional impacts to 9 linear feet of streams located in the Cape Fear River Basin. It should be noted the modification is applicable only to the additional proposed activities presented in your application dated August 8, 2003. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

If we can be of further assistance, do not hesitate to contact us.

Attachments:

Modification to WQC No. 3317

Wilmington District Corps of Engineers Corps of Engineers Raleigh Field Office DWQ Raleigh Regional Office Central Files File Copy





NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500. The attached modification authorizes additional impacts to 9 linear feet of streams located in the Cape Fear River Basin. It should be noted the modification is applicable only to the additional proposed activities presented in your application dated August 8, 2003. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

The application provides adequate assurance that the discharge of fill material into the proposed wetlands in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice. Should your project change, you are required to notify the DWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future exceed one acre, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

- No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the footprint of the impacts depicted in the Preconstruction Notice Application. All construction activities, including the design, installation, operation, and maintenance of sediment and erosion control Best Management Practices, shall be performed so that no violations of state water quality standards, statutes, or rules occur.
- 2) Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

N. C. Division of Water Quality Customer Service: 1 800 623-7748



- 3) Sediment and erosion control measures shall not be placed in wetlands or waters to the maximum extent practicable. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, they shall be removed and the natural grade restored within six months of the date that the Division of Land Resources has released the project.
- 4) Live concrete or fresh concrete shall not come into contact with waters of the state until the concrete has hardened;
- 5) There shall be no excavation from or waste disposal into jurisdictional wetlands or waters associated with this permit without appropriate modification of this permit. Should waste or borrow sites be located in wetlands or stream, compensatory mitigation will be required since it is a direct impact from road construction activities;
- 6) No additional compensatory mitigation shall be done in accordance with this modification.
- 7) All other conditions written into previous Water Quality Certifications for this project still apply.

Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 21st day of July 2003
DIVISION OF WATER QUALITY

Director

Modification to WQC No. 3317

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N. C. Division of Water Quality Customer Service: 1 800 623-7748





Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director **Division of Water Quality**



January 5, 2004

Dr. Gregory J. Thorpe, PhD., Manager Planning & Environmental Branch N.C. Department of Transportation 1548 Mail Service Center Raleigh, North Carolina, 27699-1548



Dear Dr. Thorpe:

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Modification to NC 55 widening in Wake and Durham Counties, TIP R-2906C, Federal Aid No. HPSTP-55(12), State Project No. 8.1403901, DWQ No. 010120mod.

Attached hereto is a modification to Certification No. 3317 issued to the North Carolina Department of Transportation on March 13, 2001. The attached modification authorizes the proposed diversion channel from approximately station 17+65 to 22+19. The channel shall be constructed to the dimensions and according to the plan described in your application dated December 5, 2003. This modification is applicable only to the additional proposed activities presented in your application dated December 5, 2003. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Alan W. Klimek, P.E.

Director

Attachments:

Modification to WQC No. 3317

Wilmington District Corps of Engineers Corps of Engineers Raleigh Field Office DWQ Raleigh Regional Office Central Files File Copy





NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500. This modification authorizes a modification to the proposed diversion channel from approximately station 17+65 to 22+19. The channel shall be constructed to the dimensions and according to the plan described in your application dated December 5, 2003. This modification is applicable only to the additional proposed activities presented in your application dated December 5, 2003. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

The application provides adequate assurance that the discharge of fill material into the proposed wetlands in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice. Should your project change, you are required to notify the DWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future exceed one acre, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

- No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the
 footprint of the impacts depicted in the Preconstruction Notice Application. All construction activities,
 including the design, installation, operation, and maintenance of sediment and erosion control Best
 Management Practices, shall be performed so that no violations of state water quality standards, statutes,
 or rules occur.
- 2) Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

N. C. Division of Water Quality Customer Service: 1 800 623-7748

1650 Mail Service Center

Raleigh, NC 27699-1650

(919) 733-1786



- Sediment and erosion control measures shall not be placed in wetlands or waters to the maximum extent 3) practicable. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, they shall be removed and the natural grade restored within six months of the date that the Division of Land Resources has released the project.
- Live concrete or fresh concrete shall not come into contact with waters of the state until the concrete has hardened:
- There shall be no excavation from or waste disposal into jurisdictional wetlands or waters associated with this permit without appropriate modification of this permit. Should waste or borrow sites be located in wetlands or stream, compensatory mitigation will be required since it is a direct impact from road construction activities;
- No additional compensatory mitigation shall be done in accordance with this modification. 6)
- All other conditions written into previous Water Quality Certifications for this project still apply. 7)

Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

> This the 5th day of January 2004 DIVISION OF WATER QUALITY

> > Alan W. Klimek, P.E.

Director

Modification to WQC No. 3317

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Alan W. Klimek, P.E. Director

Coleen H

Sullins, Deputy Diff Division of Water Qua



Dr. Gregory J. Thorpe, PhD., Manager Planning & Environmental Branch N.C. Department of Transportation 1548 Mail Service Center Raleigh, North Carolina, 27699-1548

Dear Dr. Thorpe:

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Modification to NC 55 widening in Wake and Durham Counties, TIP R-2906C, Federal Aid No. HPSTP-55(12), State Project No. 8.1403901, DWQ No. 010120mod.

Attached hereto is a modification to Certification No. 3317 issued to the North Carolina Department of Transportation on March 13, 2001. The attached modification authorizes additional impacts to 0.01 acres of surface waters at station number from approximately station 470+00 to 473+00. The project shall be constructed to the dimensions and according to the plan described in your application dated January 9, 2004. In addition, this modification authorizes the proposed design changes presented in your application dated July 10, 2003 (received January 14, 2004). This modification is applicable only to the additional proposed activities presented in your application dated January 9, 2004 and July 10, 2003 (received January 14, 2004). All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

If we can be of further assistance, do not hesitate to contact us.

Sincerely.

Alan W. Klimek, P.E.

Director

Attachments:

Modification to WQC No. 3317

Wilmington District Corps of Engineers Corps of Engineers Raleigh Field Office DWQ Raleigh Regional Office Central Files File Copy

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Michael F. Easley, Governor William G. Ross Jr., Secretary North Carolina Department of Environment and Natural Resources

> Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director Division of Water Quality

NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500. This modification authorizes additional impacts to 0.01 acres of surface waters at station number from approximately station 470+00 to 473+00. The project shall be constructed to the dimensions and according to the plan described in your application dated January 9, 2004. In addition, this modification authorizes the proposed design changes presented in your application dated July 10, 2003 (received January 14, 2004). This modification is applicable only to the additional proposed activities presented in your application dated January 9, 2004 and July 10, 2003 (received January 14, 2004). All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

The application provides adequate assurance that the discharge of fill material into the proposed wetlands in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice. Should your project change, you are required to notify the DWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future exceed one acre, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

- No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the footprint of the impacts depicted in the Preconstruction Notice Application. All construction activities, including the design, installation, operation, and maintenance of sediment and erosion control Best Management Practices, shall be performed so that no violations of state water quality standards, statutes, or rules occur.
- 2) Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

N. C. Division of Water Quality Customer Service: 1 800 623-7748



Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director Division of Water Quality

- 3) Sediment and erosion control measures shall not be placed in wetlands or waters to the maximum extent practicable. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, they shall be removed and the natural grade restored within six months of the date that the Division of Land Resources has released the project.
- 4) Live concrete or fresh concrete shall not come into contact with waters of the state until the concrete has hardened;
- 5) There shall be no excavation from or waste disposal into jurisdictional wetlands or waters associated with this permit without appropriate modification of this permit. Should waste or borrow sites be located in wetlands or stream, compensatory mitigation will be required since it is a direct impact from road construction activities;
- 6) No additional compensatory mitigation shall be done in accordance with this modification.
- 7) All other conditions written into previous Water Quality Certifications for this project still apply.

Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 29th day of January 2004 DIVISION OF WATER QUALITY

Alan W. Klimek, P.E.

Director

Modification to WQC No. 3317

Michael F. Easley, Governor William G. Ross Jr., Secretary North Carolina Department of Environment and Natural Resources

> Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director Division of Water Quality



RECEIVED

5 2004

DIVISION OF HIGHWAYS PDEA-OFFICE OF NATURAL ENVIRONMENT

April 28, 2004

Dr. Gregory J. Thorpe, PhD., Manager Planning & Environmental Branch N.C. Department of Transportation 1548 Mail Service Center Raleigh, North Carolina, 27699-1548

Dear Dr. Thorpe:

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Modification to NC 55 widening in Wake and Durham Counties, TIP R-2906C, Federal Aid No. HPSTP-55(12), State Project No. 8.1403901, DWQ No. 010120mod.

Attached hereto is a modification to Certification No. 3317 issued to the North Carolina Department of Transportation on March 13, 2001. The attached modification authorizes additional impacts to 0.03 acres of surface waters at station number from approximately station 470+15 to 472+40. The project shall be constructed to the dimensions and according to the plan described in your application dated March 8, 2004. This modification is applicable only to the additional proposed activities presented in your application dated April 28, 2004. All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

Alan W. Klimek, P

Director

Attachments:

Modification to WQC No. 3317

Wilmington District Corps of Engineers Corps of Engineers Raleigh Field Office DWQ Raleigh Regional Office Central Files File Copy

c:\ncdot\TIP R-2906\wqc\R-2906 mod6.doc





Michael F. Easley, Governor William G. Ross Jr., Secretary North Carolina Department of Environment and Natural Resources

> Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director Division of Water Quality

NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500. This modification authorizes additional impacts to 0.01 acres of surface waters at station number from approximately station 470+00 to 473+00. The project shall be constructed to the dimensions and according to the plan described in your application dated January 9, 2004. In addition, this modification authorizes the proposed design changes presented in your application dated July 10, 2003 (received January 14, 2004). This modification is applicable only to the additional proposed activities presented in your application dated January 9, 2004 and July 10, 2003 (received January 14, 2004). All the authorized activities and conditions of certification associated with the original Water Quality Certification dated March 13, 2001 and all other corresponding modifications still apply except where superceded by this certification.

The application provides adequate assurance that the discharge of fill material into the proposed wetlands in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice. Should your project change, you are required to notify the DWQ and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If total wetland fills for this project (now or in the future exceed one acre, compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

- No waste, spoil, solids, or fill of any kind shall occur in wetlands, waters, or riparian areas beyond the footprint of the impacts depicted in the Preconstruction Notice Application. All construction activities, including the design, installation, operation, and maintenance of sediment and erosion control Best Management Practices, shall be performed so that no violations of state water quality standards, statutes, or rules occur.
- 2) Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Sediment and Erosion Control Planning and Design Manual*.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the *North Carolina Sediment and Erosion Control Manual*. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the *North Carolina Surface Mining Manual*.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.

N. C. Division of Water Quality Customer Service: 1 800 623-7748



Alan W. Klimek, P.E. Director Division of Water Quality Coleen H. Sullins, Deputy Director Division of Water Quality

- 3) Sediment and erosion control measures shall not be placed in wetlands or waters to the maximum extent practicable. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, they shall be removed and the natural grade restored within six months of the date that the Division of Land Resources has released the project.
- 4) Live concrete or fresh concrete shall not come into contact with waters of the state until the concrete has hardened;
- 5) There shall be no excavation from or waste disposal into jurisdictional wetlands or waters associated with this permit without appropriate modification of this permit. Should waste or borrow sites be located in wetlands or stream, compensatory mitigation will be required since it is a direct impact from road construction activities;
- 6) No additional compensatory mitigation shall be done in accordance with this modification.
- 7) All other conditions written into previous Water Quality Certifications for this project still apply.

Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filed with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 28th day of April 2004 DIVISION OF WATER QUALITY

Alan W. Klimek, P.E

Director

Modification to WQC No. 3317

N. C. Division of Water Quality Customer Service: 1 800 623-7748



DEPARTMENT OF THE ARMY WILMINGTON DISTRICT, CORPS OF ENGINEERS

PO. BOX 1890
WILMINGTON, NORTH CAROLINA 28402-1890
January 13, 2004

IN REPLY REFER TO

Regulatory Division

SUBJECT: Action ID 200120353; TIP No. R-2906



Dr. Gregory J. Thorpe, Ph.D. Environmental Management Director, PDEA N.C. Department of Transportation 1548 Mail Service Center Raleigh, NC 27699-1548

Dear Dr. Thorpe:

Reference the Department of the Army permit issued on June 19, 2001 (AID 200120353; TIP R-2906; NC 55 Widening), for the discharges of fill material in waters of the United States, including wetlands, to facilitate construction of widening of NC 55 (T.I.P. No. R-2906), in the Cape Fear and Neuse River basins, from north of US 64 in Wake County, to north of SR 1121 in Durham County, North Carolina. Reference also your April 18, 2003 and August 8, 2003 letters requesting modification of the permit, to authorize additional minor stream impacts, due to minor revisions of the construction design, primarily for utility lines.

We have reviewed your proposal and have determined that the additional impacts are minor, and an additional public notice is not necessary. Therefore, the permit is hereby modified to authorize 14 linear feet of additional stream channel impacts, as shown on the attached drawings. No additional mitigation will be required for these minor impacts.

It is understood that all other conditions of the permit, including the expiration date, remain applicable. Please note that the current permit expiration date is December 31, 2004, less than one year away.

If you have questions, please contact Eric Alsmeyer of the Raleigh Regulatory Field Office, at telephone (919) 876-8441, extension 23.

Sincerely,

Charles R. Alexander, Jr.
Colonel, U.S. Army

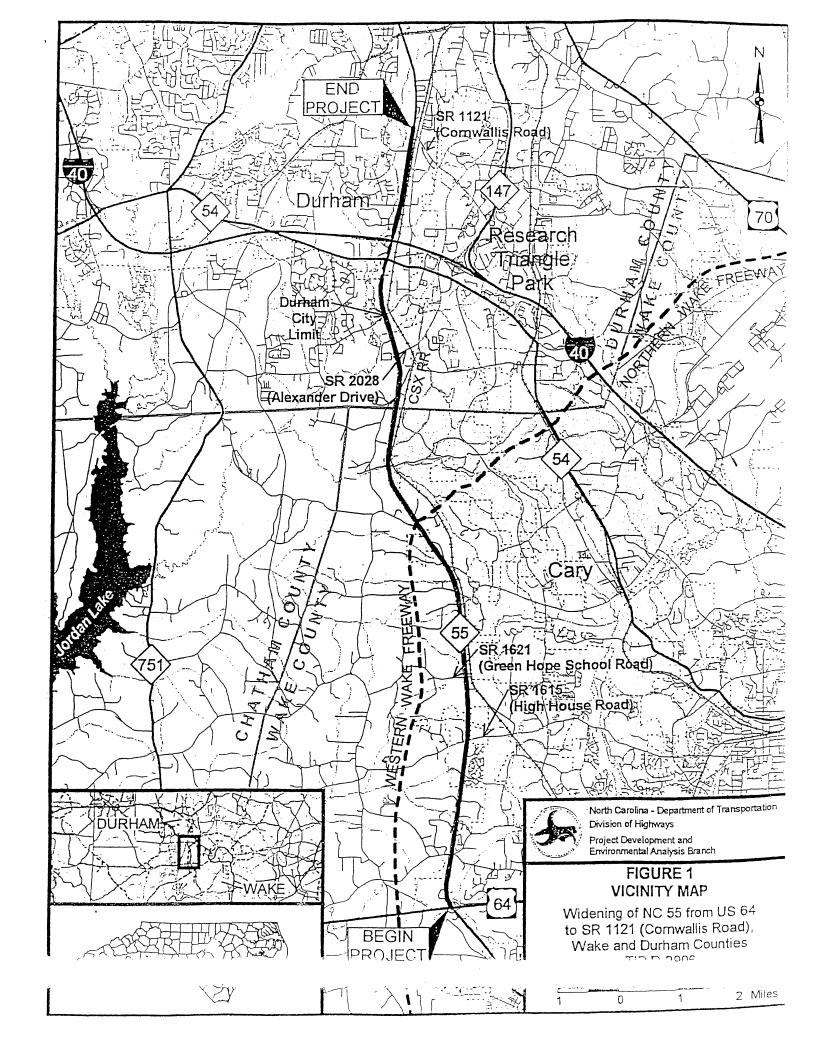
District Engineer

Enclosure

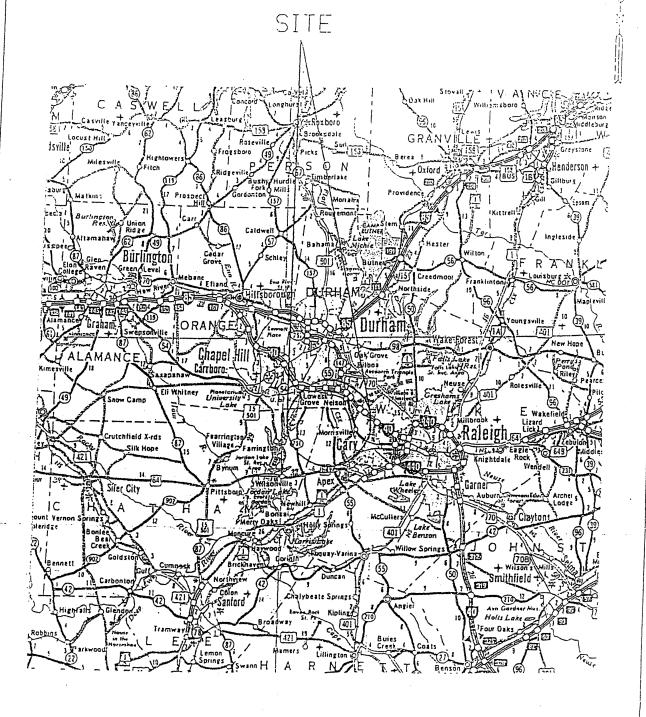
Copies Furnished (without attachment):

Ms. Emily Lawton Federal Highway Administration 310 New Bern Ave., Rm. 410 Raleigh, North Carolina 27601-1442

Mr. John Dorney Division of Water Quality North Carolina Department of Environment and Natural Resources 1650 Mail Service Center Raleigh, NC 27699-1650



VICINITY MAP



NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

DURHAM/WAKE COUNTIES

PROJECT: 8.1403901 (R-2906 A. B&C)

PROPOSED WIDENING OF NO 55 FROM

SHEET | DF 52 PRVISED 8-7-03

CORNWALLIS ROAD ĄΕ SITES AF, AG. AH, AI & AJ --TO DURHAN చ SITES AD SITE AB-SITE AC-NORTH CARCLINA ОЬ SITE AA SITE Z ~ × গ্ৰ ₹ SITE SITES SITE SITE R **∑** ≪ SITES K SITÉ H SITES I, J & L-SITE D SITE C SITE G-SITE F SITE AY -SITE AT -SITE AS & AX-SITE AV SITE AN-SITE AU A- TO APEX SITE SITE :: SITE AT SITE AL

PROJECT: 8.1403901 (R-2906 A, B & C) DEPARTMENT OF TRANSPORTATION DURHAM/WAKE COUNTIES DIVISION OF HIGHWAYS

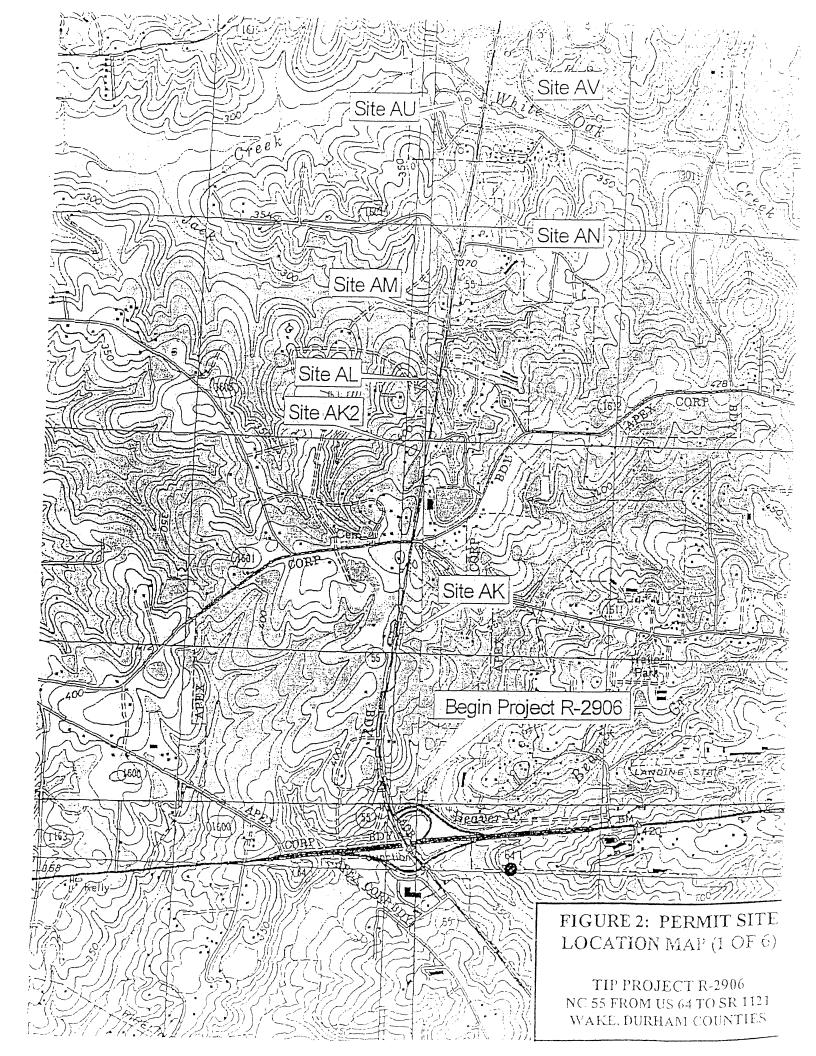
US64 TO CORNWALLIS ROAD (SR !!21) PROPOSED WIDENING OF NC 55 FROM

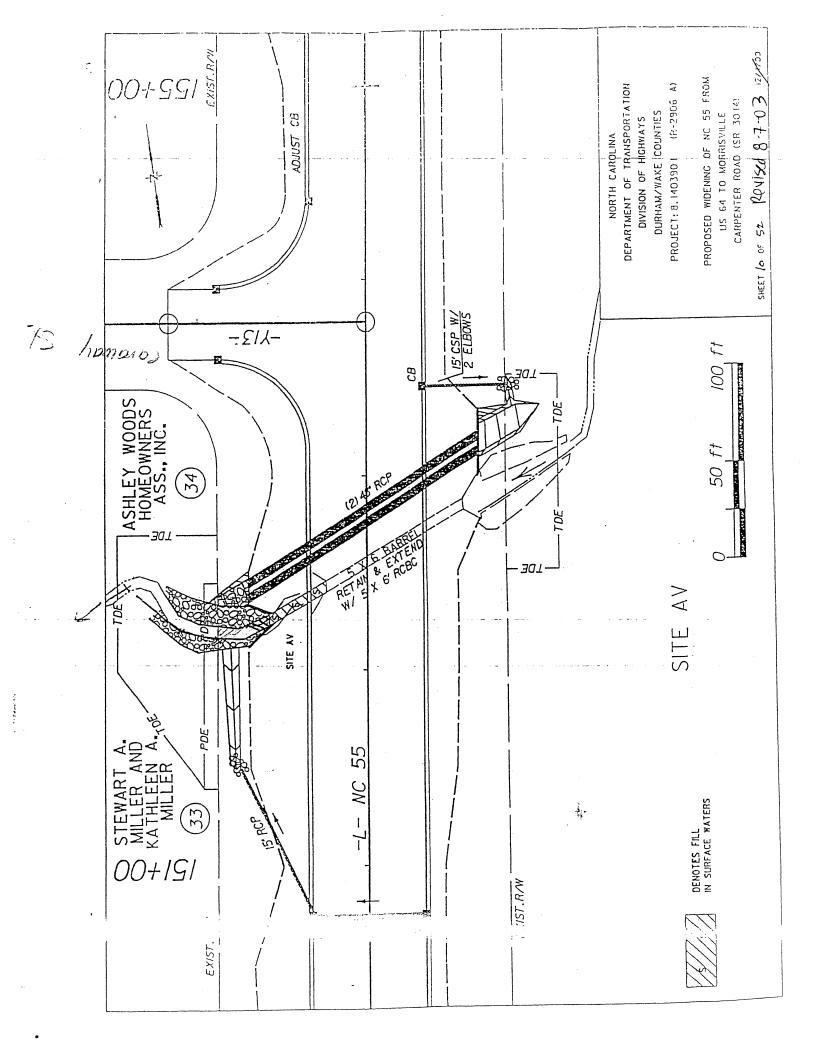
SHEET 3 OF 52

NOTE: SITE AG HAS BEEN DETERMINED NOT TO BE A WETLAND BY THE USACE AND NCDOT. SITE L IS NO LONGER IMPACTED BY THIS PROJECT DUE TO A DESIGN CHANGE.

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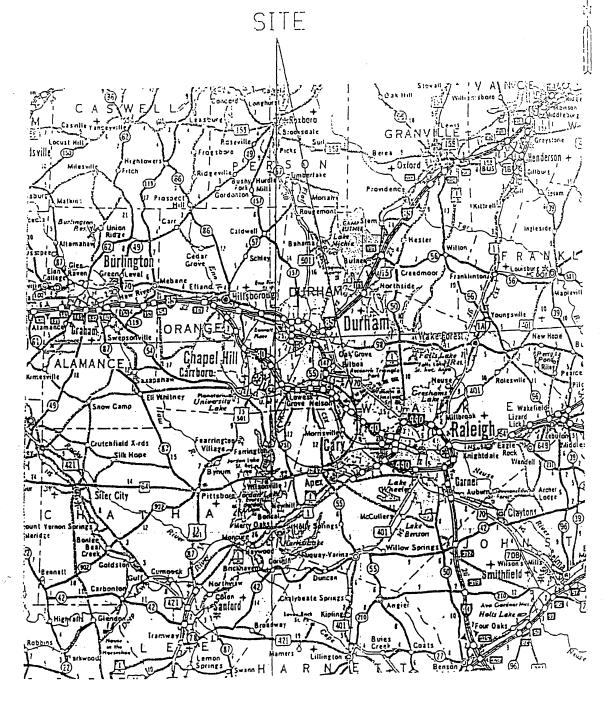
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			INIOO I	WET AND MADACTS	U			SURFACE	WATER IMPACTS	MPACTS	
			WEIL	ANN INITA		-		T. John	1		
					Interchange	Mechanized		Existing	dillp.	7	
Statlon	Structure	Fill In	Temp.Fill	Excavation In Wetlands	Isolated	Clearing (Method III)	(Natural)	Channel	Channel	Relocated Channel	
(From/To)	9716	(ac)	(ac)	(ac)	(ac)	(ac)	(ac)	(E)	(11)		
7- 17-00 TO 18±25	3-12'×8'				٠		0.069	87	0	0	
18+00 TO 21+50	NON						0.065	416	0	382	
91±75 TO 92±50	5 - 8' x 10'						0.037	193	0	0	
58+50 +/-	18" RCP	0.003	0	0	0	0		,			
87+10+/+	18* RCP		-					16			
100 TO 101 ±/-	60" RCP	0.039	0	0	0	0.001		135			
108 TO 109 ±/-	5' x 6' RCBC	0.006	0	0	0	0.008	0.009	170		CO	
197 TO 129 ±/-	18" RCP	0.004	0	0	0	0.003					
193+50 +/-	NONE	0.013	0	0		0.009				-	
1+50 TO 195+50 +/-	NONE	0.088						10			
196±25 ±/-	66" RCP	0.001	0	0	0		0.008	16		-	
199+25 +/-	NONE	0.071	Q	0	0						
248±00 ±/-	18" RCP	900.0	0	0	0						
256.50 1/2	18* BCP	0.00	0		0	0.001					
143+32 +/-	2-7' x 9' RCBC						0.015	1			
152+23 +/-	5' x 6' RCBC						0.004	90			
17+00 TO 190+00 +/-	5' x 6' RCBC	0.042					0.005				
242±00 +/-	24" RCP						0.002			15	
265+00 +/-	30" RCP										
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ODIETED METHOD III CLEABING USED IN WETLANDS	CLEARING USED I	IN WETLAN	SO					N.C.	DIVISION	N.C. DEPT. OF TRANSPORTATION OF HIGHWAYS	TATION AYS
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PROJECT:8.1403901 (R-2905 A, B & C)
PROPOSED WIDENING OF NC 55 FROM US HWY, 64 TO SR 1121
SHEET \$72.0F\$2. SHEET

8-7-03 Povised

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UTILITY

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

DURHAM/WAKE COUNTIES

PROJECT: 8.1403901 (R-2906 A. B&C)

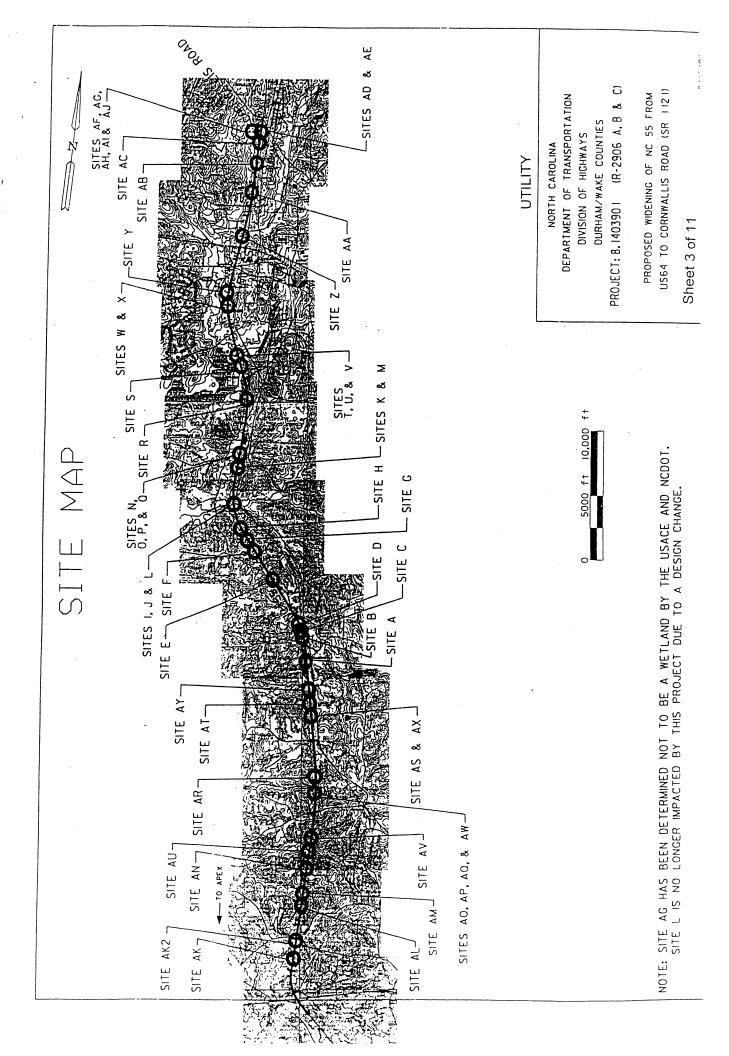
PROPOSED YLDENING OF HC 55 FROM (O'NWAIL'S Rd.

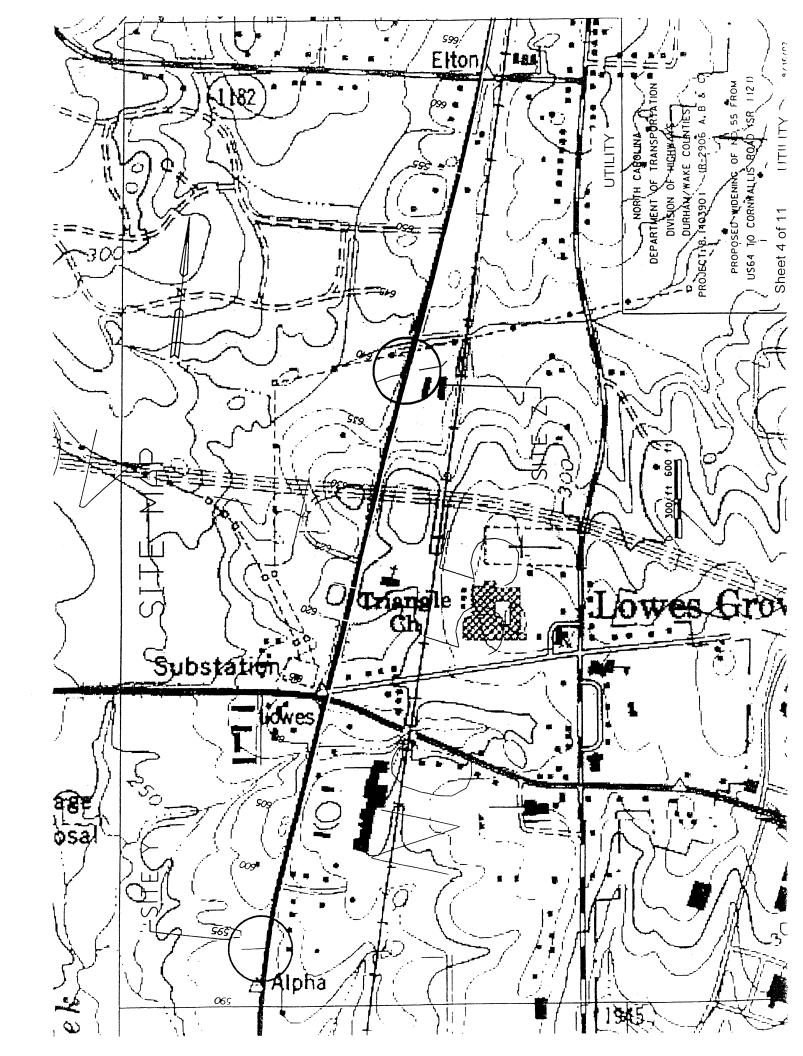
Sheet 1 of 11

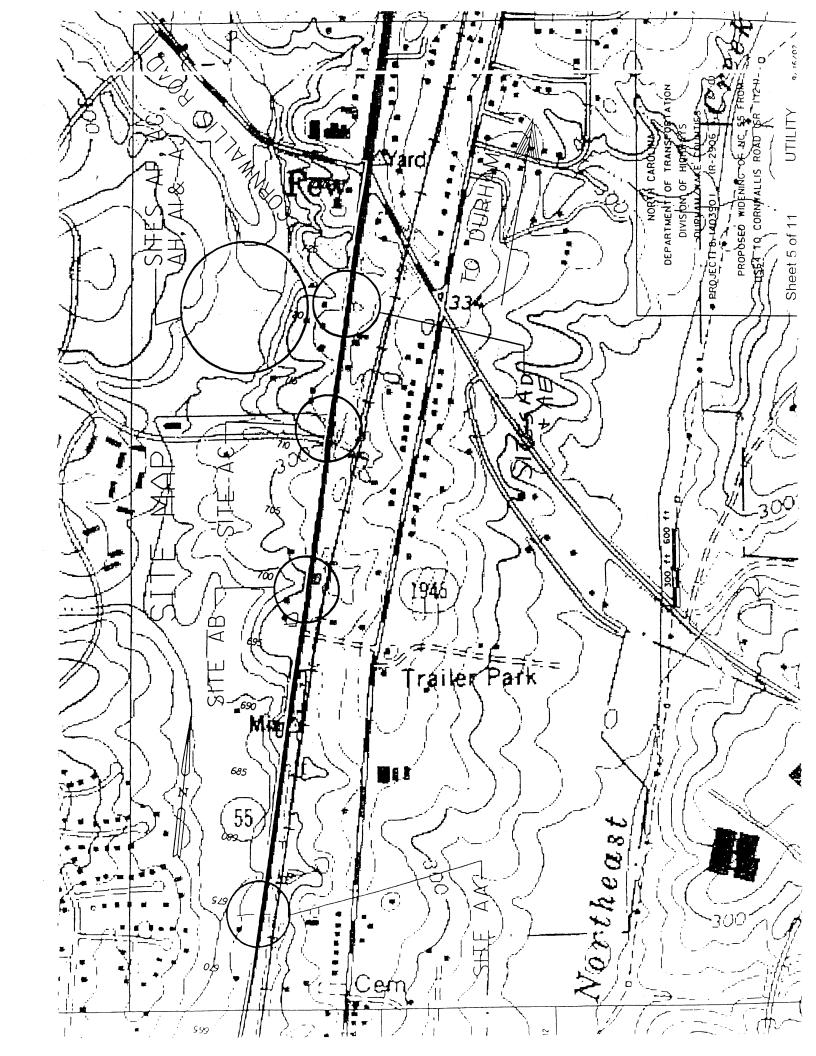
	LE	GEND	
0, 6	WEILAND BOUNDARY	X	LIVE STAKES
(.,5" ·	WETLAND	(= =)	BOULDER
	DENOTES FRE IN WETLAND		COIR FIBER ROLLS
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	DENOTES FIL IN SURFACE WATER (POND)		PROPOSED BRIDGE
6///	DENOTES TEMPORARY FILL IN WETLAND		PROPOSED BOX CULVERT
\$///\$/	DENOTES EXCAVATION IN WEILAND	 	PROPOSED PIPE CULVERT
1/// P	DENOTES TEMPORARY FILL IN SURFACE WATER		(DASHED LINES DENOTE EXISTING STRUCTURES)
	DENOTES MECHANIZED CLEARING	9	SINGLE TREE
+ + +	FLOW DIRECTION	and the state of the state of	WOODS LINE
-18	TOP OF BANK		DRAMAGE MILET
· WE · · · ·	EDGE OF WATER		ROOTWAD
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	PROP.LUMT OF FILL	83	RIP RAP
	PROP. RIGHT OF WAY		RIP RAP ENERGY DISSIPATOR BASIN
NG	NATURAL GROUND		
	PROPERTY LINE		
	TEMP. DRAMAGE EASEMENT		
	PERMANENT DRAINAGE EASEMENT		
EAB	EXIST. ENDANGERED ANIMAL BOUNDARY	,	
EP8	EXTST. ENDANGERED PLANT BOUNDARY		
<i>_</i>	WATER SURFACE	U	TILITY
		DEPARTMENT DIVISION	A CAROLINA DE TRANSPORTATION DE HIGHWAYS WAKE COUNTIES I (R-2906 A, B&C)
		PROPOSED WIDEN	ung of NC 55 FROM
		Sheet 2 of 11	

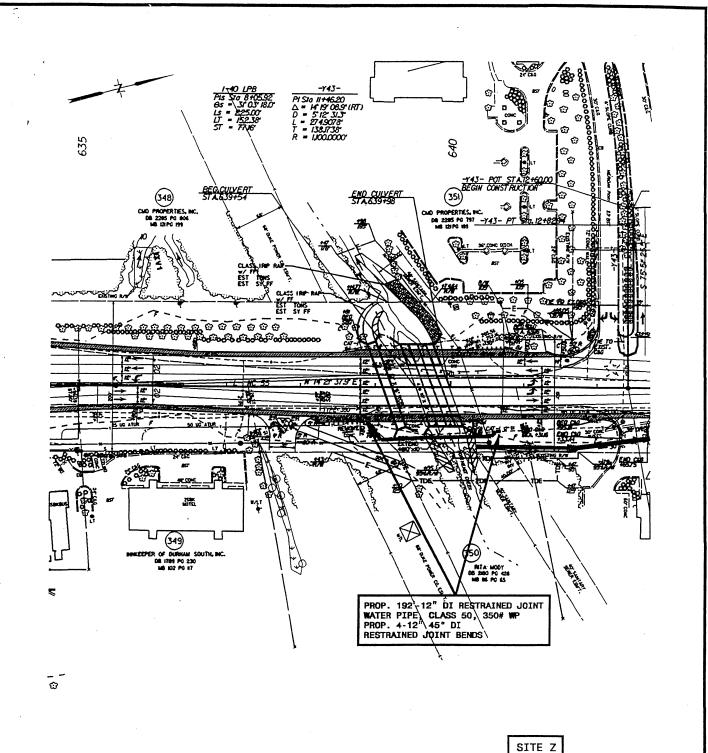
Sheet 2 of 11

3/24/00





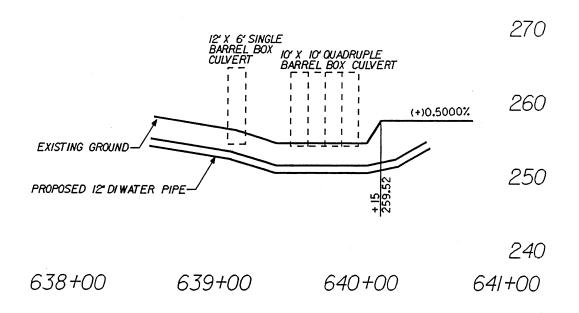




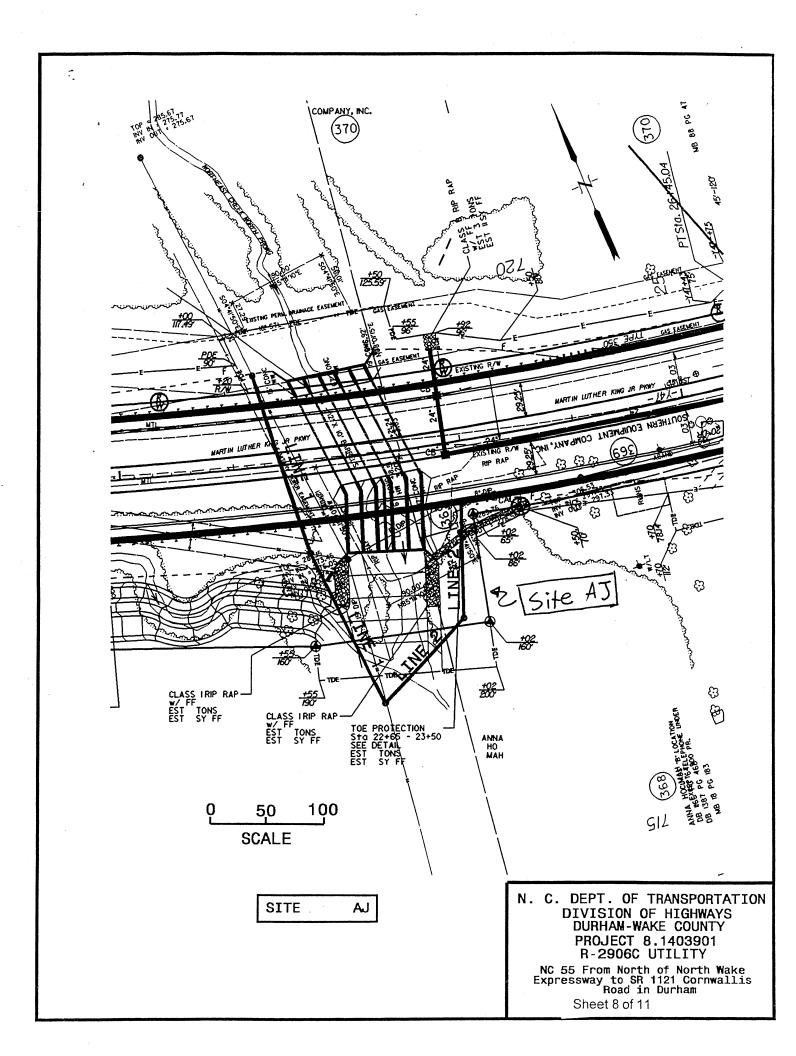
100' SCALE

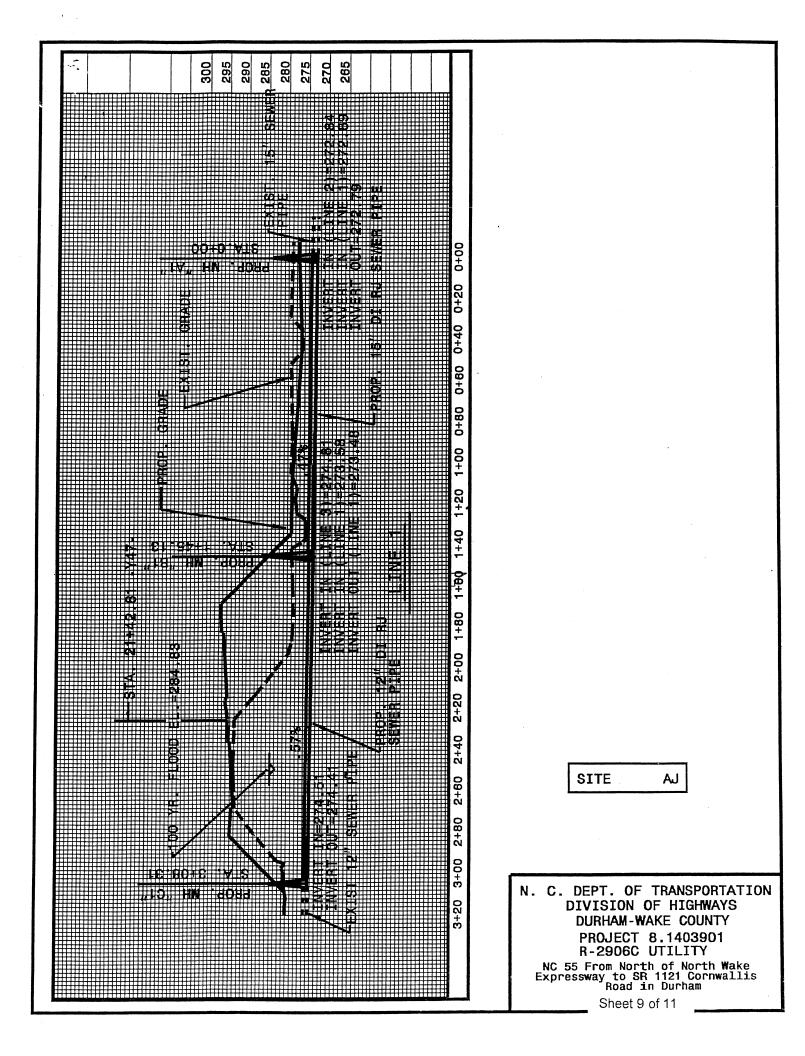
N. C. DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS DURHAM-WAKE COUNTY PROJECT 8.1403901 R-2906C UTILITY NC 55 From North of North Wake Expressway to SR 1121 Cornwallis Road in Durham Sheet 6 of 11

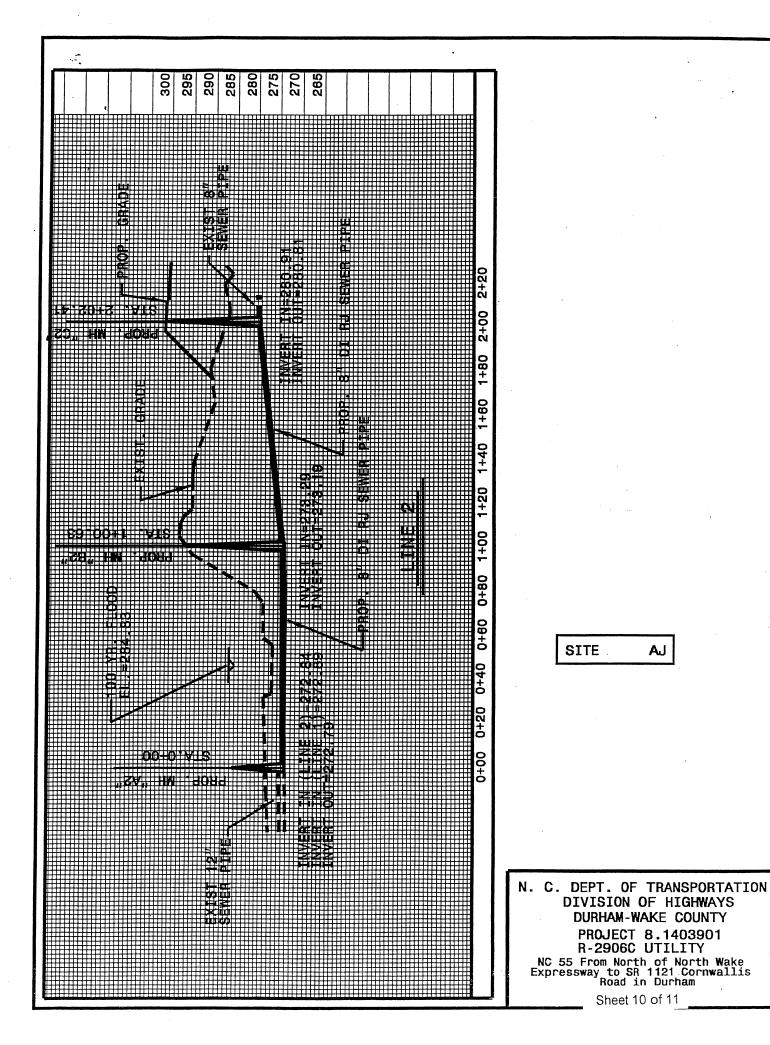
SITE Z



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
DURHAM-WAKE COUNTY
PROJECT 8.1403901
R-2906C UTILITY
NC 55 From North of North Wake
Expressway to SR 1121 Cornwallis
Road in Durham
Sheet 7 of 11







Utility Impact Summary

Additional temporary impacts

i.i.	1
Proposed 2:1 Off-Site Compensatory Stream Mitigation (Feet)	'
Stream Channel Loss After On-Site Mitigation	-
Proposed On-Site Stream Mitigation (Feet)	
Relocated Stream Channel (Feet)	
Temporary Channel Impact (Feet)	S
Existing Tempor Stream Chann Channel Impac Impacted (Feet (Feet) No Mitigation	ı
Existing Stream Channel Impacted (Feet) Mitigation	1
Fill in Surface Water (Natural) Acre	0
Plan View Permit Drawing	46 of 52
Site Station Number	-Y47- 21+24
ite	AI' & AJ'

There will be no additional fill placed in the existing stream and no relocation of the stream associated with this utility work. The site is identified as AI' & AJ' The revision involves the relocation of two gravity sewer lines that are in conflict with proposed culvert construction at approximate Station 21+42, -Y47-. and corresponds with sites identified in the original permit application dated January 3, 2001.

Impacts simultaneous with culvert extension

	·
Proposed 2:1 Off-Site Compensatory Stream Mitigation (Feet)	
Stream Channel Loss After On-Site Mitigation	1
Proposed On-Site Stream Mitigation (Feet)	1
Relocated Stream Channel (Feet)	,
Temporary Channel Impact (Feet)	٣
Existing Stream Channel Impacted (Feet) No Mitigation	
Existing Stream Channel Impacted (Feet) Mittigation	1
Fill in Surface Water (Natural) Acre	0 .
Station Plan View Number Permit Drawing	40 of 52
Station Number	-L- 639+00 to 640+00
Site	2

The revision involves the relocation of an existing ductile iron water line outside the wingwalls of the proposed culvert and culvert extensions at approximate method of construction, water will be diverted around a portion of the existing culvert to facilitate construction of the culvert extension to the east. The water Station 639+76 -L-. The existing water line is being impacted by the culvert extension and the new culvert construction to the south. Due to the anticipated line can be installed by open cut through the channel at this location at that time. N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
DURHAM-WAKE COUNTY
PROJECT 8.1403901
R-2906C UTILITY
NC 55 From North of North Wake
Expressway to SR 1121 Cornwallis
Road in Durham
Sheet 11 of 11

HWA



DEPARTMENT OF THE ARMY WILMINGTON DISTRICT, CORPS OF ENGINEERS

PO. BOX 1890
WILMINGTON, NORTH CAROLINA 28402-1890
January 20, 2004

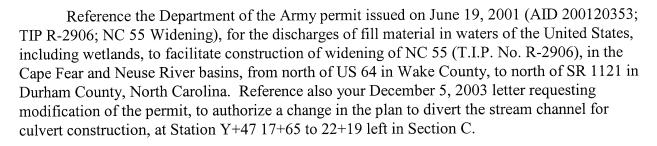
IN REPLY REFER TO

Regulatory Division

SUBJECT: Action ID 200120353; TIP No. R-2906

Dr. Gregory J. Thorpe, Ph.D. Environmental Management Director, PDEA N.C. Department of Transportation 1548 Mail Service Center Raleigh, NC 27699-1548

Dear Dr. Thorpe:



We have reviewed your proposal and have determined that there are no additional impacts to waters of the United States, and an additional public notice is not necessary. Therefore, the permit is hereby modified to authorize the revised stream diversion, as shown on the attached drawing. No additional mitigation will be required for this modification.

It is understood that all other conditions of the permit, including the expiration date, remain applicable. Please note that the current permit expiration date is December 31, 2004, less than one year away.

If you have questions, please contact Eric Alsmeyer of the Raleigh Regulatory Field Office, at telephone (919) 876-8441, extension 23.

Sincerely,

Charles R. Alexander, Jr.

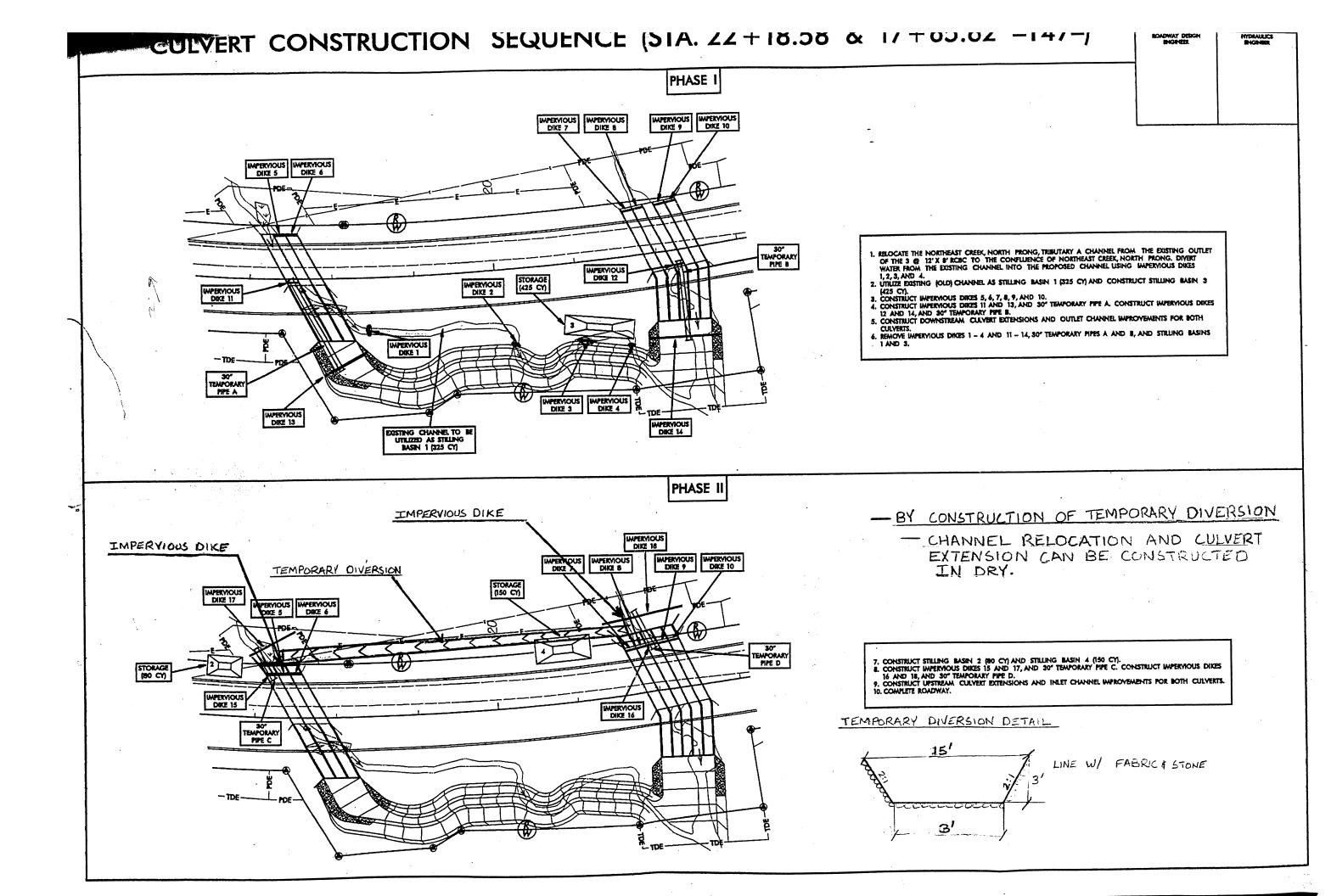
Colonel, U.S. Army District Engineer

Enclosure

Copies Furnished (without attachment):

Ms. Emily Lawton Federal Highway Administration 310 New Bern Ave., Rm. 410 Raleigh, North Carolina 27601-1442

Mr. John Dorney Division of Water Quality North Carolina Department of Environment and Natural Resources 1650 Mail Service Center Raleigh, NC 27699-1650





DEPARTMENT OF THE ARMY WILMINGTON DISTRICT, CORPS OF ENGINEERS

PO. BOX 1890 WILMINGTON, NORTH CAROLINA 28402-1890 $March\ 17,\ 2004$

IN REPLY REFER TO

Regulatory Division

SUBJECT: Action ID 200120353; TIP No. R-2906



Dr. Gregory J. Thorpe, Ph.D. Environmental Management Director, PDEA N.C. Department of Transportation 1548 Mail Service Center Raleigh, NC 27699-1548

Dear Dr. Thorpe:

Reference the Department of the Army permit issued on June 19, 2001 (AID 200120353; TIP R-2906; NC 55 Widening), for the discharges of fill material in waters of the United States, including wetlands, to facilitate construction of widening of NC 55 (T.I.P. No. R-2906), in the Cape Fear and Neuse River basins, from north of US 64 in Wake County, to north of SR 1121 in Durham County, North Carolina. Reference also your July 10, 2003 letter requesting modification of the permit, to authorize reduction of the requirement to bury two separate box culvert extensions. One of the culvert extensions cannot be buried a full foot because to do so would put a reverse slope on the extension because of the elevation of the existing culvert invert. The other culvert extension cannot be buried because of rock at the site.

We have reviewed your proposal and have determined that there are no additional impacts to waters of the United States, and an additional public notice is not necessary. Therefore, the permit is hereby modified to authorize the revised construction of the two culvert extensions, in TIP R-2906A at Station100+00 right, and in TIP R-2906C at Station 509+00 right, as described in your request. No additional mitigation will be required for this modification.

It is understood that all other conditions of the permit, including the expiration date, remain applicable. Please note that the current permit expiration date is December 31, 2004, less than one year away.

If you have questions, please contact Eric Alsmeyer of the Raleigh Regulatory Field Office, at telephone (919) 876-8441, extension 23.

Sincerely,

Charles R. Alexander, Jr.

Colonel, U.S. Army District Engineer

Copies Furnished

Ms. Emily Lawton Federal Highway Administration 310 New Bern Ave., Rm. 410 Raleigh, North Carolina 27601-1442

Mr. John Dorney Division of Water Quality North Carolina Department of Environment and Natural Resources 1650 Mail Service Center Raleigh, NC 27699-1650



DEPARTMENT OF THE ARMY WILMINGTON DISTRICT, CORPS OF ENGINEERS P.O. BOX 1890 WILMINGTON. NORTH CAROLINA 28402-1890

May 20, 2004



Regulatory Division

SUBJECT: Action ID 200120353; TIP No. R-2906

Dr. Gregory J. Thorpe, Ph.D. Environmental Management Director, PDEA N.C. Department of Transportation 1548 Mail Service Center Raleigh, NC 27699-1548

Dear Dr. Thorpe:

RECEIVED MAY 25 2004 DIVISION OF HIGHWAYS **DEA-OFFICE** OF NATURAL ENVIRONMENT

Reference the Department of the Army permit issued on June 19, 2001 (AID 200120353; TIP R-2906: NC 55 Widening), for the discharges of fill material in waters of the United States. including wetlands, to facilitate construction of widening of NC 55 (T.I.P. No. R-2906), in the Cape Fear and Neuse River basins, from north of US 64 in Wake County, to north of SR 1121 in Durham County, North Carolina. Reference also your March 8, 2004 letter requesting modification of the permit, to authorize construction of a rock embankment in a pond, to stabilize the steep slope necessary to reduce the fill impact.

We have reviewed your proposal and have determined that there the additional impacts to waters of the United States are minor (0.03 acre of fill impact in an open water pond), and an additional public notice is not necessary. Therefore, the permit is hereby modified to authorize the revised construction of the fill slope, to include a rock embankment, from Station L470+15 to 472+40 right, in TIP R-2906, Section C, as shown in the attached drawing. No additional mitigation will be required for this modification.

It is understood that all other conditions of the permit, including the expiration date, remain applicable. Please note that the current permit expiration date is December 31, 2004, less than eight months away.

If you have questions, please contact Eric Alsmeyer of the Raleigh Regulatory Field Office, at telephone (919) 876-8441, extension 23.

Sincerely,

Charles R. Alexander, Jr.

Colonel, U.S. Army District Engineer

Enclosure

Copies Furnished (without enclosure):

Ms. Emily Lawton Federal Highway Administration 310 New Bern Ave., Rm. 410 Raleigh, North Carolina 27601-1442

Mr. John Dorney Division of Water Quality North Carolina Department of Environment and Natural Resources 1650 Mail Service Center Raleigh, NC 27699-1650

